

#### APPENDIX A

#### Candlestick Point Public Involvement Program

The Candlestick Point Public Involvement Program consists of six basic steps:

#### 1. Project Initiation

Upon assignment of this project in the summer of 1977, planners met with community leaders of the San Francisco Bay Area and the established Citizen's Advisory committee, who suggested approaching the public involvement process by having the planners invited to community/neighborhood meetings. At the community meetings, the planning process was explained through a slide show, and public concerns were heard.

#### 2. Data Collection

This phase consisted of gathering the necessary site and recreation resource information. It included information on the public's needs, desires, and concerns, and bay area government concerns.

#### 3. Analysis

All data collected were organized, mapped, and analyzed. A list of more than 130 recreation potentials was generated as a result of the first series of public involvement workshops. The top ten desired recreation activities were identified as:

- 1) General Picnicking
- 2) Boat Facilities
- 3) Fishing Piers
- 4) Bike Trails
- 5) Children's Play Area
- 6) Amphitheater
- 7) Hiking Trails
- 8) Open Space For Wildlife
- 9) Handicapped Area
- 10) Swimming Beach

These results were released in a newsletter sent to more than 1,100 people on the Candlestick Point mailing list.

#### 4. Development of Alternatives

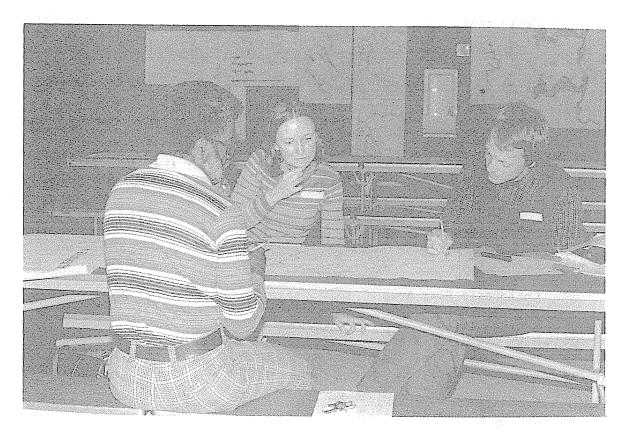
The planning team spent one week developing four alternatives, which consisted of two recreation alternatives, a cultural/community alternative, and an alternative that emphasized natural factors -- restoration of the mudflats/marsh land habitat.

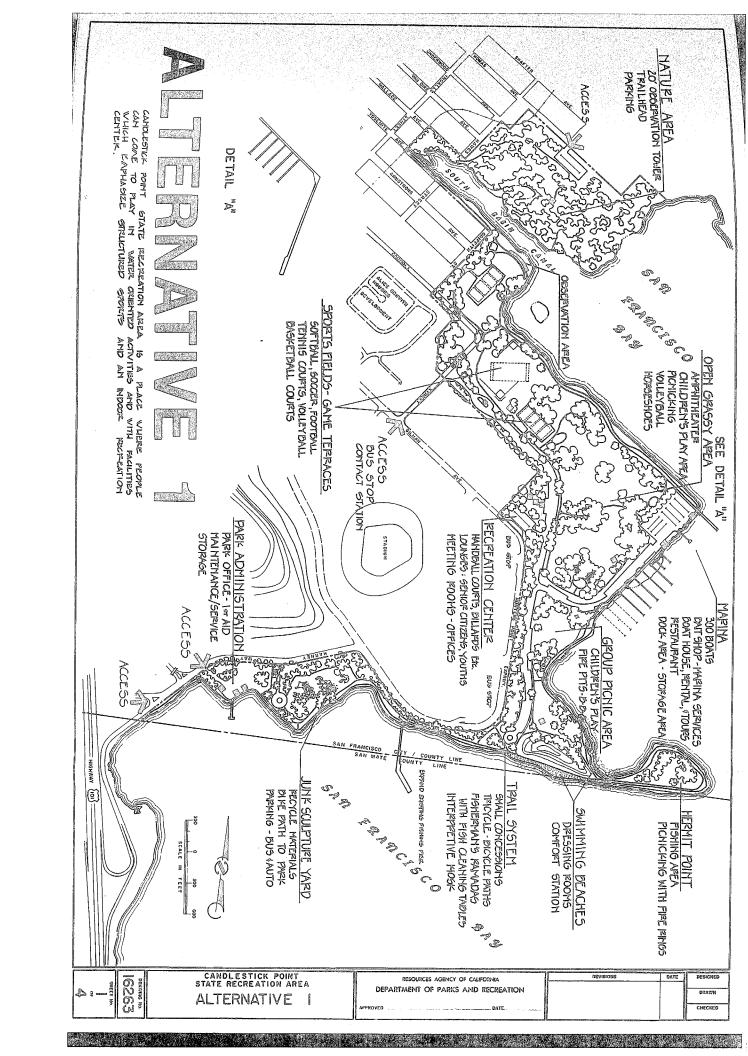
#### 5. Public Review of Alternatives

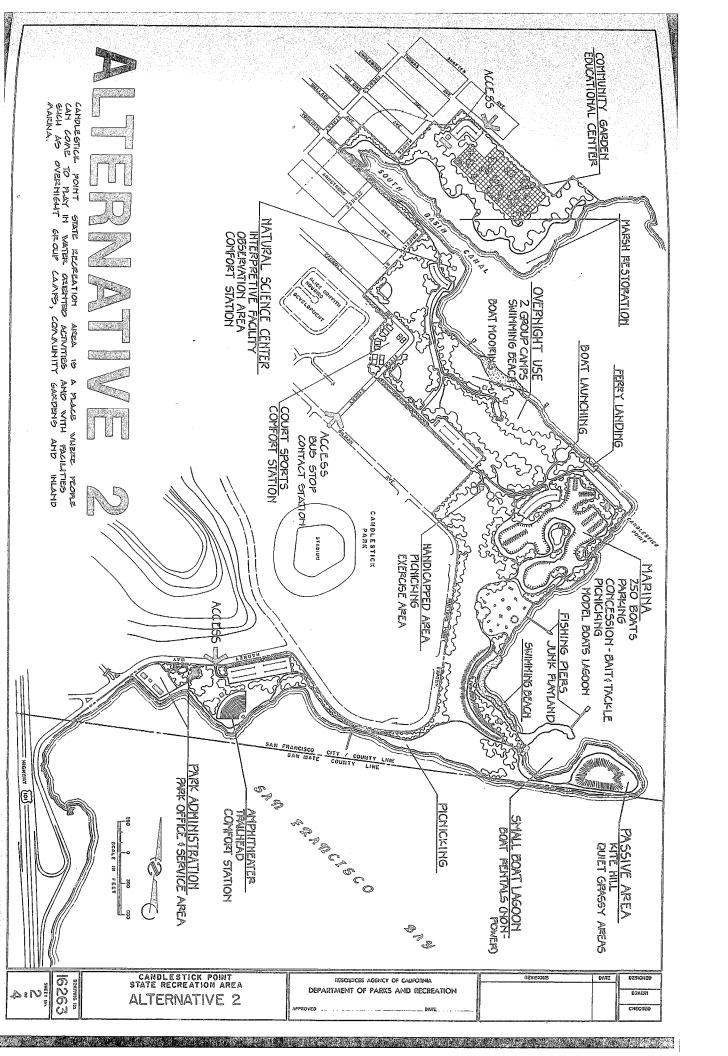
In a series of public involvement workshops conducted at seven locations, planners presented the alternatives to the public. The public then "mixed and matched" features from the various alternatives. Results obtained from these workshops indicated the public's desire for a natural (alternative 4), open, landscaped state recreation area, with elements of recreation alternative 2 and cultural/community alternative 3.

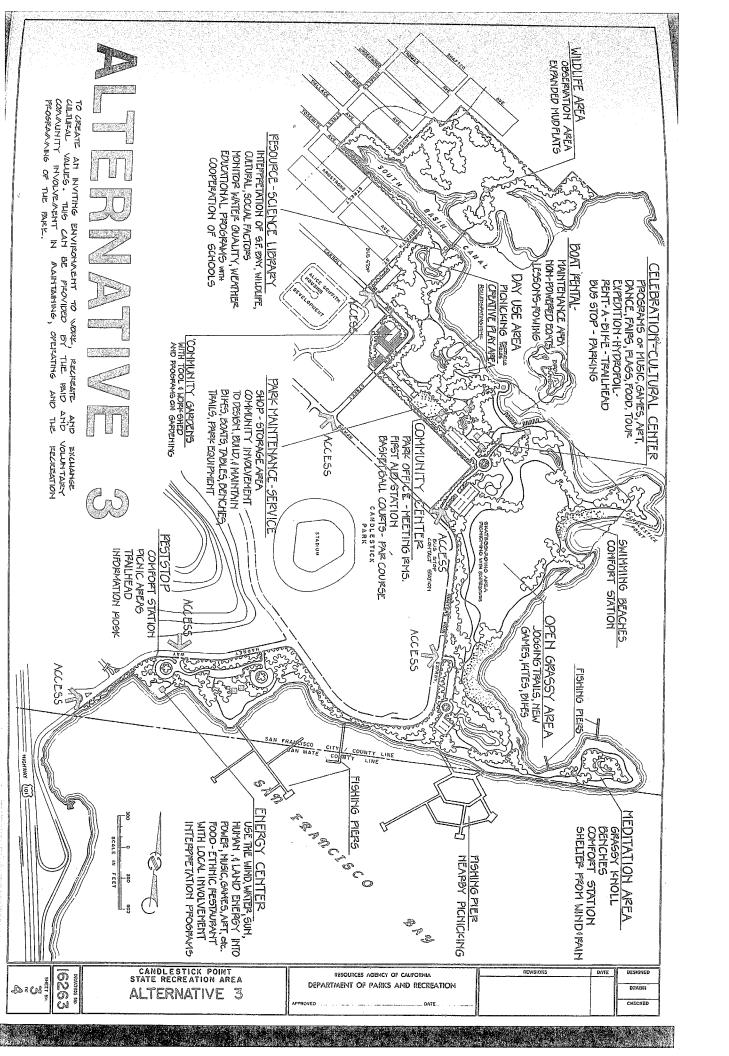
### 6. Preliminary Single Plan

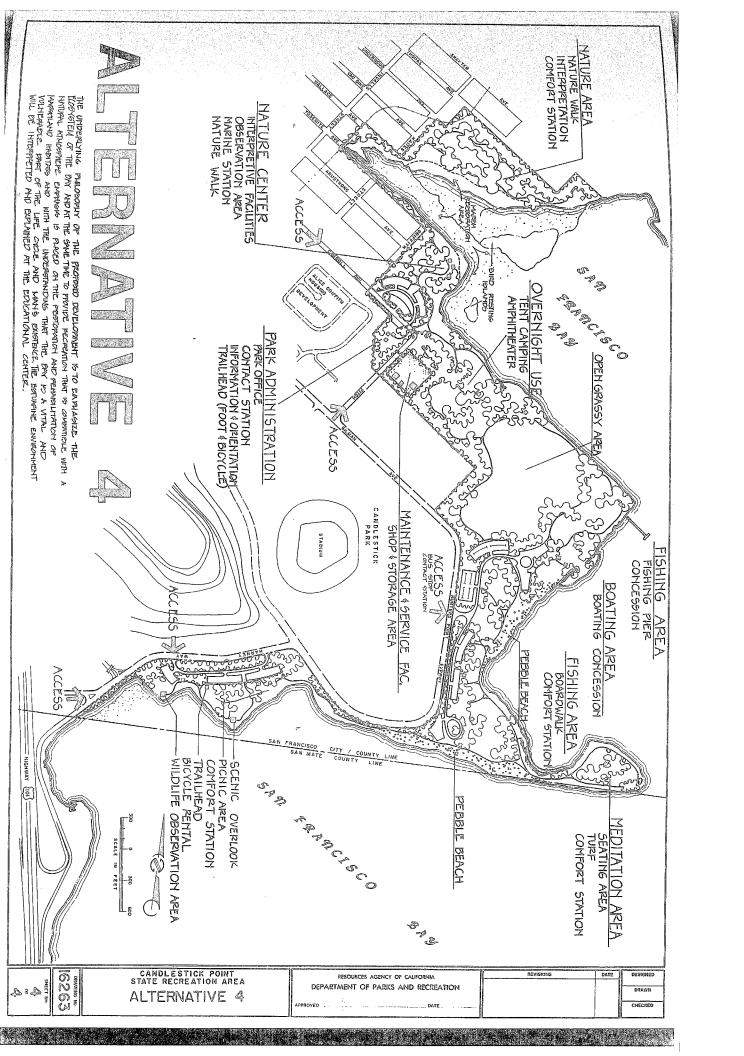
A single plan reflecting these values was compiled and presented to the public at four additional workshops. Those who attended this last series of workshops made a few suggestions, additions, and revisions, but were proud of the outcome, efforts, and results.

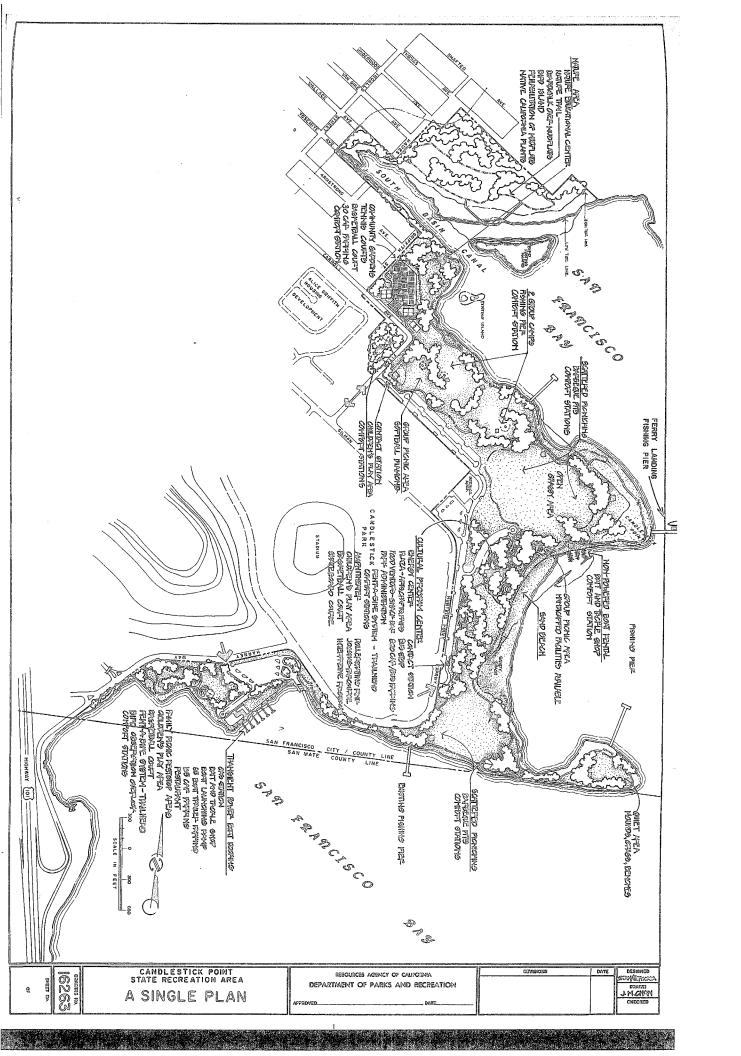












# Chronology of Public Meetings

August 3, 1977	Department of Transportation (CALTRANS) - San Francisco
August 15	Citizens Advisory Committee (CAC) - San Francisco
August 16	Percy Pinkney - Community Relations Assistant to Governor Brown
August 17	Steve Kahn - Sacramento
September 13	Pre-planning Meeting - Sacramento
September 14	CALTRANS Meeting - San Francisco
September 15	Kathy Mathewson - San Francisco Trust for Public Lands - San Francisco
September 19	Citizens Advisory Committee (CAC) - San Francisco
September 20	University of California, Santa Cruz - Resourse Information Gathering
September 21	CALTRANS Meeting - San Francisco
September 29	Mickey Fearn and Chuck Lyden (Operations)
October 3	Triple A, U. S. Navy - San Francisco Bay Conservation Development Commission (BCDC) San Francsico
<b>©.</b>	Citizens Advisory Committee Meeting - San Francisco
October 4	Boat ride around site Meeting with San Francisco City Planning Department Meeting with San Francisco City Recreation and Parks Department Meeting with San Francisco City Mayor's Office
October 5	CALTRANS - San Francisco San Mateo County Planning Department "The Farm" - Bonnie Sherk - San Francisco
October 6	Tom Duncan - Sacramento
October 11	McKinnon Avenue Residents Association - San Francisco
October 12	The Farm - San Francisco Kite World, Inc San Francisco

October 13	Citizens Advisory Committee (CAC) - San Francisco
October 19	Able Parking Concession - Nicholas Leonadakis San Francisco City Planning Department Neighborhood Arts Council - San Francisco Assemblyman Willie Brown's Office - Debbie Fagan Golden Gate National Recreation Area (GGNRA) Assemblyman Art Agnos - San Francisco
October 20	Earth Lab One - Berkeley Citizens Advisory Committee - San Francisco
October 21 ,	Oceanic Society - San Francisco Golden Gate National Recreation Area - San Francisco
October 26	Neighborhood Foundation - San Francisco City of Oakland
November 9	City of Brisbane - Planning and Parks and Recreation Departments Potrero Hill Boosters and Merchants Association San Francisco
November 17	PROBE - Redwood City Citizens Advisory Committee (CAC) - San Francisco
November 29	Bayview/Hunter's Point Coordinating Council San Francisco Citizens Advisory Committee (CAC) - San Francisco
December 1	Walk the site with interpretive specialist
December 7	San Francisco Chamber of Commerce
December 13	San Francisco Housing Authority
December 14	Little Hollywood Residents and Homeowners Association City of South San Francisco - Planning Department Potrero Hill Residents and Homeowners Association
December 19	Kathy Mathewson informs us of North Point Pier Project - San Francisco
December 21	Bayview Housing Association
December 22	Citizens Advisory Committee (CAC) - San Francisco
December 28	Indoor Sports Club - San Francisco
January 9, 1978	Public workshops - Daly City

January 10	Public workshops - Downtown San Francisco
January 11	Public workshops - Bayview
January 12	Public workshops - Potrero Hill
January 19	San Francisco Housing Authority - San Francisco
January 26	All People's Coalition - San Francisco
January 27	Boy Scouts of America - San Francisco San Francisco Music Center - San Francisco
January 29	Indoor Sports Club - Concord
January 31	Department of Fish and Game - San Francisco
February 8	CALTRANS - San Francisco
February 27	San Francisco Municipal Railway - San Francisco Bay Conservation and Development Commission - San Francisco Save the Bay - San Francisco
February 28	Citizens Advisory Committee (CAC) - San Francisco
March 2	(PMI) Precious Moments Inc Berkeley San Francisco City Recreation and Parks - San Francisco
March 6	Public workshop - San Mateo
March 7 &	Department of Fish and Game - San Francisco Public workshop - Visitation Valley
March 8	Precious Moments Inc. (PMI) - Berkeley Public workshop - Potrero Hill
March 13	Pelton Middle High School - Student Council - San Francisco Department of Fish and Game - San Francisco San Mateo City College Student Radio Station - San Mateo Public workshop - Bayview '
March 14	San Mateo Transit District (SAMTRANS) Public workshop - San Francisco City College
March 15	Meeting with San Francisco City Planning Department Meeting with San Francisco Recreation and Park Department Meeting with San Francisco Mayor's Office Meeting with San Francisio Public Works Department Public workshop - Daly City

March 16	Public workshop - Oakland
March 22	San Francisco Planning and Urban Renewal (SPUR) - San Francisco Associated Bay Area Governments (ABAG) - Oakland San Francisco Chamber of Commerce Golden Gate Transit Authority - San Francisco
March 30	San Francisco Chamber of Commerce - San Francisco
April 3	San Francisco City Public Works Department - San Francisco
April 5	Department of Transportation (CALTRANS) - San Francisco Wildlife Sierra Club - Berkeley
April 11	McAteer High School with students - Oakland Bay Conservation Development Commission - San Francisco Public workshop - downtown San Francisco
April 12	Public workshop - Bayview
April 13	Department of Transportation (CALTRANS) - San Francisco On-site meetings concerning lease - San Francisco
April 18	Bay Attitudes - San Francisco
April 19	Public workshop - Potrero Hill

#### APPENDIX B

# Parking and Traffic Circulation Study

#### DATA SUMMARY

I) Candlestick Stadium seating capacities:

58,000 (Baseball) 61,000 (Football)

II) 1978 Baseball season - 74 total home games, regular schedule
80 games for baseball (est.)
10 games for football (est.)
home games total (est.)
90+

90 = 25% of days in the year (est.)

III) Parking space needs - (San Francisco city traffic engineer estimates)

(use as maximum) Football - 14,070 Vehicles \* (for 61,200) Baseball - 9,130 Vehicles \* (for 39,000)

- \* Includes private vehicles & charter buses
- IV) Total parking spaces available 15,180 (See parking & ciruclation study mapping DPR drwg. #16263 2 of 2, Appendix D)
- V) Surplus parking spaces (based on maximum football)
   (IV III = V)
   15,180 14,070 = 1,110 surplus parking spaces
- VI) Total existing parking spaces on SRA proposed property = 3,130 (DPR drwg. #16263, Appendix D)
- VII) Net loss of parking spaces on SRA proposed property
   (VI V = VII)
   3,130 1,110 = 2,020 Net loss of parking spaces on SRA proposed
   property.
- VIII) Parking needs for proposed DGP

Assume: A) Density use = 25 persons/acre

B) SRA property = 120 acres

C) Vehicle occupancy = 3 persons/vehicle

- # of parking spaces required =  $\underline{AxB}$
- # of required parking spaces = 25 persons x 120 acres = 1,000 vehicles acres

  3 persons/vehicle.
- IX) Total parking spaces eliminated by GDP
   (VII VIII = IX)
   2,020 1,000 = 1,020 parking spaces
- X) # of persons affected 1,020 parking stalls x  $\frac{3.1 \text{ persons}}{\text{stall}}$  = 3,162 persons
- XI) Maximum size of crown affected (Assumes all DPR spaces available to stadium) 61,200 persons - 3,162 persons = 58,038 persons
- XII) Minimum size of crowd affected
  (Assumes no DPR spaces available to stadium)
  58,038 persons 3.1 x 1,000
  58,038 3,100 = 54,938 persons
- XIII) Summary of study

Impact of proposed GDP will affect stadium parking only for games with attendance that exceeds the 55,000 - 58,000-person range. Range dependent on availability of DPR parking to stadium users.

#### APPENDIX C

#### Public Assistance Resources

The Candlestick Point State Recreation Area general planning project has developed a complex network of public contacts. To benefit the future planners and designers, the following list was compiled of organizations whose interest, knowledge, and service may be of further assistance in implementation of the proposed general development plan.

#### Marine Resource Assistance

State of California Department of Fish and Game Elden Vestal - Fisheries Management Supervisor Gil Thomson - Associate Wildlife Manager Biologist Ted Woorster - Environmental Services Supervisor P. O. Box 47 Region 3 - Yountville 94599 (707) 944-2443 Phil Swartzell - Associate Marine Biologist Keith Anderson - Fishery Biologist Walt Dahlstrom - Field Biologist 411 Burgess Drive Menlo Park 94027 (415) 326-0324 Al Rutsch - Wildlife Conservation Board 1416 Ninth Street Sacramento 95811 (916) 445-8449 Walton Smith - Wildlife Biologist 1051 Valecia Road Aptos 95003 (408)688 - 2244

Department of Navigation and Ocean Development Ivar Plescov Gregg Wapinsky 1416 Ninth Street Sacramento 95811 (916) 322-1812

The Oceanic Society
San Francisco Bay Chapter
Kent Williams - Administrative Director
Building 240 Fort Mason
San Francisco 94123
(415) 441-5970

Marine Ecological Institute
Merritt Tuel - Vice President of Operations
811 Harbor Boulevard
Redwood City 94063
(415) 364-2760

Save San Francisco Bay Association Steven Hill Kay Kerr 2140 Shattuck Avenue Berkeley (415) 849-3053

### Local and State Government/Agency Assistance

City of San Francisco
Office of the Mayor
Mary Burns - Special Assistant to the Mayor
City Hall
San Francisco
(415) 558-3994

Recreation and Parks Department
Jack Spring - General Manager
Tom Malloy - Executive Assistant
Jim Rogers - Assistant Supervisor to Parks
McLaren Lodge
Fell and Stanyan Streets
(415) 558-3706

Planning Department
George William - Assistant Director of Plans and Programs
Doug Holman - Planner
Ed Green - Planner
100 Larkin Street
(415) 558-3050

Public Works Department
Scott Shoaff - Associate Traffic Engineer
Harvey Quan - Assistant Traffic Engineer
460 McAllister
San Francisco
(415) 558-3371

Douglas Martin - Division Engineer of Recreation and Parks 45 Hyde Street, Room 308 (415) 558-4757

Real Estate Department
Wallace Wortmen - Director of Property
450 McAllister, Room 600
(415) 558-3220

Housing Authority of the City and County of San Francisco Pat Andrews - Principal Social Planner 1815 Egbert Avenue San Francisco 94124 (415) 467-5383

Board of Supervisors, City and County of San Francisco Robert E. Gonzales - Supervisor Rosalind McCracken - Administrative Assistant City Hall (415) 558-2867

Police Department
Southeast Station
Captain McFarland
2300 3rd Street
San Francisco
(415) 553-9111

San Francisco Bay Conservation Development Commission (BCDC)
Kent Watson - Landscape Architect - (Planning)
Alan Pendleton - (Permits & Applications)
30 Van Ness
San Francisco 94102
(415) 557-3686

San Francisco Planning and Urban Renewal Association (SPUR)
Michael Painter - Landscape Architect
Jeffrey Heller - Architect
126 Post Street
San Francisco 94108
(415) 781-8726

Association of Bay Area Governments
Dean Macris - Director
Claremont Hotel
Berkeley
(415) 841-9730

State of California
Department of Transportation
Paul Hensley - Route 230 Project Engineer
District 4
150 Oak Street
San Francisco 94102
(415) 557-1494

City of Brisbane
Jane Kirby - Recreation Director
Robert Ironside - Planning Director
Bruce Balshone - Assistant Planner
Richard Kerwin - City Manager
44 Visitacion Avenue
Brisbane 94005
(415) 467-1515

City of South San Francisco
Bill Costanzo - Planner
City Hall
400 Grand Avenue
South San Francisco
(415) 467-1515

City of Daly City
Department of Community Development
Thomas Miller - Acting Planner
Sullivan Avenue and 90th Street
Daly City 94105
(415) 992-4500, Ext. 277

City of Oakland
Office of the Mayor
V. Toni Adams - Assistant to the Mayor
(415) 273-3141

Office of Parks and Recreation
Hans Thompson - Assistant Director
1520 Lakeside Drive
Oakland 94612
(415) 273-3091

County of San Mateo
Mark Duino - Planner
Harry Dean - Landscape Architect

State Legislators
Assemblyman Art Agnos
Ritchie Ross - Administrative Assistant
350 McAllister, Room 1068
San Francisco
(415) 557-2253

Assemblyman Willie Brown
Debbie Fagan - Administrative Assistant
540 Van Ness Avenue
San Francisco
(415) 557-0784

## Public Transportation Assistance

San Francisco Municipal Railway (MUNI)
Tom Matoff - Transit Planner
949 Presidio Avenue, Room 204
San Francisco 94115
(415) 558-5284

San Mateo County Transit District (SAMTRANS)

A. R. Cianfichi - Director of Planning and Research
400 South El Camino Real, Room 400
San Mateo 94402
(415) 573-2349

Golden Gate Bridge, Highway and Transportation District Stephan Leonoudakis, Director Box 900, Presidio Station San Francisco 94129 (415) 921-5858

#### Future Program Assistance

Bay Attitudes
Joseph Peretti
Nan Park
20 Inca Lane #6
San Francisco 94115
(415) 567-7975

PMI (Precious Moments, Inc.)
Lucien Scott Stone
P.Q. Box 2440
Berkeley 94702
(415) 843-1093

The Neighborhood Foundation Kim Kaiser 265 Laguna San Francisco (415) 863-1341

Boy Scouts of America
Darrell Jackson - Candlestick District Executive
12 Geary Street, Suite 507
San Francisco 94108
(415) 392-6990

American Adventure Play Association Ross Yeager - Acting Director 1322 Masonic No. 3 San Francisco 94117 (415) 552-9589 Golden Gate National Recreation Area
Fort Mason Center
Judy Ellstrom
Laguna and Marina Boulevard
San Francisco
(415) 441-5705

Community Garden Programs
Charles Moser

P.O. Box 451 Woodacre 94941 (415) 488-4435 (415) 488-4340

People's Environmental Group Robin Moore

> 300 Broadway No. 23 San Francisco, 94133 (415) 848-6874

Potrero Hill Neighborhood House Ruth Passen

> 953 De Haro Street San Francisco 94107 (415) 826-8080

Bayshore Residents Association Joseph Ken Jr., President 240 Accacia Street Daly City 94014

All People's Coalition
Don Horenzy, President
168 Leland Avenue
San Francisco
(415) 239-9050

Citizens Advisory Committee

Claude Everhart, President 2601 20th Street San Francisco (415) 648-1922

Ms. Evelyn Darnes

Ms. Lennie Gaines

Mrs. Ethel Garlington

Mr. Donald Horenzy

Mr. Doug Holmen

Ms. Lidia Lagarda

Ms. Shirley Jones

Mr. Harold Madison

Mr. Barton Mathew

Ms. Ethel McCarrell

Mr. Earl Mills

Mr. Daniel Sullivan

Ms. Cleo Wallace

Mr. Michael Nolan

#### Federal Assistance

United States Navy

Hunter's Point Shipyard

Art Jones

Triple A Shipyard - present tenant

Albert Engel

P.O. Box 24460

San Francisco 94124

(415) 822-8222

#### Candlestick Stadium Contacts

San Francisco Giants

Donald Foreman - Director of Stadium Operations

(415) 467-8000

San Francisco 49'ers

Lou Spadia -

(415) 365-3420

Parking Concession - ABLE Parking

Nicholas Leonadakis

(415) 495-3909

#### Adjacent Private Development

The Yerby Corporation

George Yerby - President

500 Harney Way

P.O. Box 34160

San Francisco 94134

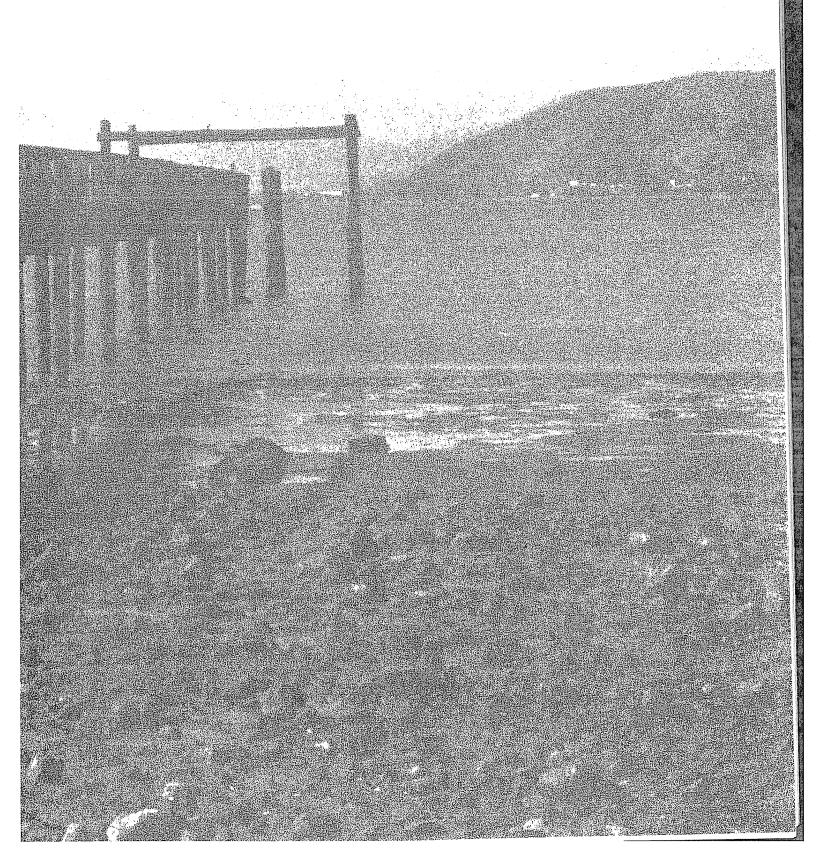
(415) 467-2930

APPENDIX D

COMMENTS AND RESPONSES TO COMMENTS

From Public Agencies reviewing the Preliminary Candlestick Point SRA

Resource Element, General Plan, and Environmental Impact Report



# Part I COMMENTS RECEIVED FROM PUBLIC AGENCIES

Copies of letters and memoranda are included here and specific responses to each are found on page 85. The numbered paragraphs refer to the specific response.

# State of California



GOVERNOR'S OFFICE

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET
SACRAMENTO 95814
(916) 445-0613

September 4, 1978

James M. Doyle Parks & Recreation Post Office Box 2390 Sacramento, CA 95811

SUBJECT: SCH# 78072432 - CANDLESTICK POINT STATE RECREATION AREA, RESOURCE MANAGEMENT

Dear Mr. Doyle:

This is to certify that State review of your environmental document is complete.

The results of the State review are attached. You should respond to the comments as required by the California Environmental Quality Act. You should address your responses to the commenting agency with a copy to the Clearinghouse.

Sincerely,

Stephen V Williamson State Clearinghouse

SAW/na Attachment

cc: Ken Fellows, DWR
Donald D. Dalke, CRWQCB
Ted T. Fukushima, State Lands
E. C. Fullerton, DFG
Charles R. Roberts, SFBCDC
Vernon J. Richey, CalTrans



## CITY AND COUNTY OF SAN FRANCISCO

# DEPARTMENT OF PUBLIC WORKS

## BUREAU OF SANITARY ENGINEERING

770 GOLDEN GATE AVE. 3RD FL.

SAN FRANCISCO, CAL. 94102

(415) 558-2131

September 15, 1978

Bayside Facilities Plan

2.6.0

State of California Department of Parks & Recreation P.O.Box 2390 Sacramento, CA 95811

Attention: Mr. James M. Doyle, Supervisor

Environmental Review Section

Subject: Candlestick Point Recreation Area

General

Dear Mr. Doyle:

The Wastewater Management Program did not obtain a copy of the subject EIR for the Candlestick Point State Recreational Area (CPRSA) until after the 45 day comment period requested in your transmittal letter of July 14, 1978 hence the lateness of our response. Our comments on subject areas of mutual concern follow:

Wet-Weather Overflow Control Facilities. The City has started detailed planning for the wet-weather overflow control facilities for the Yosemite Canal (South Basin Canal) area. Large underground sewer transport and storage facilities will have to be constructed around Yosemite Canal in order to limit wetweather overflows into the Canal. A portion of these facilities may have to be located within the proposed boundary of the CPRSA. With careful planning and inter-agencies cooperation our overflow control facilities can be made compatible with the proposed recreational area.

Shellfish. As part of the environmental studies for our wetweather overflow control facilities we have undertaken a comprehensive study of shellfish populations along the bay shoreline Mr. James M. Doyle September 15, 1978 Page Two

from Islais Creek to Sierra Point (in San Mateo County) and have instituted a program to monitor the bacteriological quality of the two most prevalent edible species of clams (Mya arenaria and Tapes Joponica) found in this area. The field work for the population studies is complete and a report is scheduled for publication in October of this year. The bacteriological monitoring was recently begun and is tentatively scheduled to run through spring of 1979 at which time a report will be prepared.

Preliminary Results from these studies that may be of interest to you are as follows:

- Juvenile (less than 2 cm length) Mya are ubiquitous in the mud flats. Population densities over 3000 per square meter were recorded. However adult Mya are generally found only in rocky upper inter-tidal areas.
- Good populations of legal sized tapes were found in the rocky substrates on both sides of the narrow isthmus leading out to the southeasterly point, Fair numbers of <u>Tapes</u> were found in Yosemite Canal and in all suitable substrate areas along the south side of the proposed CPSRA.
- Fecal coliform levels in four of the six samples of clams collected in the area for the proposed CPSRA exceed the FDA limit of 230 MPN/100 gms. A composite sample of Tapes and mya collected in the Yosemite Canal just east of Griffith Street had a fecal coliform level more than 100 times the FDA standard. These samples were collected between 7/19/78 and 8/23/78, a period of no rainfall, therefore wet weather overflows could not be the cause for the high coliform readings.
- Contrary to the considerable amount of shell debris of the bent-nosed clam (Macoma nasuta) found all along the shoreline, living memebers of this species are virtually non-existent.
- Tapes are now being recreationally harvested both for fish bait and human consumption in the CPRSA and adjacent areas.

We would be pleased to provide you with any information we have on shellfish in this area and would appreciate receiving reports of any field studies of shellfish you may undertake. Mr. James M. Doyle September 15, 1978 Page Three

Water Quality Monitoring. We are interested in the water quality monitoring station to be proposed for the Nature Education Center as we have on going shoreline water quality monitoring requirements. It should be a relatively simple matter to strucutre the monitoring station to provide the needed data to meet the requirements of both agencies.

Since planning for the CPSRA involves several subjects of mutual interest a meeting between our agencies may be appropriate. If you would like to arrange such a meeting or desire additional information please give me a call at (415) 558-2131. If I am not available please contact Dave Jones at (415) 558-2613. If you have any additional data of shellfish I would appreciate an early response so that we can incorporate this data in our report on shellfish.

Very truly yours,

H. C. Coffee Project Manager

Bayside Facilities Planning

# REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION

INTERNAL MEMO

File No. 2178.05(DDD)DR

TO DIA	ANE NAVARRO, DEPT. OF WATER FROM: DONALD D. DALKE, SECTION LEADER
RES	SOURCES, RESOURCE EVALUATION UNITY  AUGUST 4, 1978  SIGNATURE: Deval Double
DATE: _	UMINITORS.
SUBJECT	RESOURCE MANAGEMENT PLAN, GENERAL DEVELOPMENT PLAN, AND ENVIRONMENTAL IMPACT REPORT FOR THE CAMBLESTICK POINT STATE RECREATION AREA PROJECT
	following comments are offered regarding the Environmental Impact Report for ect project:
1.	The impact of discharge of untreated sewage into the South Basin Channel of San Francisco Bay during the wet weather period should be considered.
2.	Irrigation practices should be defined. If reclaimed wastewater is considered for irrigation, use areas should be well defined, as well as necessary degree of treatment of wastewater; and the sources of such wastewater.
3.	Inactive Disposal Site
	The inactive waste disposal sites must comply with this Regional Board's Minimum Criteria for Proper Closure of Class II Solid Waste Disposal Sites, Resolution No. 77-7 (attached).
If y ATSS	ou have any questions with regard to this, please call Anders Lundgren at (8) 561-0682.
	<b>.</b>
	chment: Resolution No. 77-7

cc: SWRCB

Division of Planning & Research Environmental Analysis Unit

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# SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION

30 VAN NESS AVENUE SAN FRANCISCO, CALIFORNIA 94102 PHONE: 557-3686



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August 23, 1978

Office of Planning and Research State Clearinghouse 1400 lOth Street Sacramento, California 95814

SUBJECT: SCH #78072432 and BCDC Inquiry File No. SF.SB.6613.13

Gentlemen:

Thank you for the opportunity to review the Candlestick Point State Recreation Area Resource Management Plan and Environmental Impact Report. Although the Commission has not had an opportunity to review the report, the staff has reviewed the document in light of the McAteer-Petris Act and the San Francisco Bay Plan, and would like to offer a few comments at this time.

#### Jurisdiction

The Commission has jurisdiction over San Francisco Bay and all areas within 100 feet of the line of highest tidal action. It appears that a permit will be required since the project will entail some fill in the Bay for fishing facilities and dock construction as well as the dredging proposed for marina construction. In addition, there will be construction of recreational facilities within the 100-foot shoreline band.

#### Park Use

The proposed park is consistent with the San Francisco Bay Plan and the McAteer-Petris Act. Bay Plan Map No. 10 shows the eastern and southern shoreline at Candlestick Point as a park priority use area. The park plan indicates that some fill would be placed. So long as the fill is the minimum amount necessary, and would be for the purposes of improving shoreline appearance and providing new public access to the Bay, the fill could be found by the Commission to be consistent with the fill policies of the Act and Plan. We did note that a comfort station might be located on fill or near the shoreline. We suggest this facility be moved inland to conform better with the Commission's policies on shoreline use.

Office of Planning and Research August 23, 1978 Page Two

Since one of the major purposes of the park would be to provide increased shoreline access, we believe the facilities proposed in the various alternatives discussed in the document would be appropriate for shoreline locations. We are somewhat concerned about the proposed restaurant if it is to be located partially or entirely on fill. While some fill for commercial uses can be approved when there is no upland alternative, it appears that there is substantial upland area at the park. There is an alternative ground for approving small amounts of fill for restaurants when the fill is necessary as a design asset of the structure. This can be the case when diners would be brought closer to the Bay. Due to the constraints concerning fill for restaurants, we suggest that careful attention be given to the design and size of the proposed restaurant.

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We are particularly pleased with the attention given to handicapped persons. It appears that substantial areas of shoreline will be made accessible.

#### Proposed Marina

The staff is concerned about the proposed marina shown in some of the park alternatives. Before the Commission could approve a marina at this location, it would need evidence that the following Bay Plan policy would be satisfied.

4.b. Marinas and launching lanes. (1) Sites that tend to fill up unusually rapidly with silt or mud, or that are subject to unusual amounts of dense fog, should be avoided, (2) launching lanes should be placed where wind and water conditions would be most favorable for smaller boats, (3) some launching lanes should be located near prime fishing areas and others near calm, clear water suitable for waterskiing. Fill permitted for marina development should be the minimum necessary to provide support facilities (parking, service buildings, launching lanes, etc.). At a density of 44 berths per acre of water surface, about 3/4 acre of land is generally sufficient for each acre of water surface (750 square feet per berth). Marinas having fewer than 44 boats per acre require less land per berth. No fill for marinas should be permitted to exceed 3/4:1 land/water ratio.

#### Island

We note that the plan includes provisions to dredge a channel to create an island for bird use. Islands created by dredging, rather than by filling, are consistent with the Bay Plan policies on islands.

Office of Planning and Research August 23, 1978 Page Three

#### Expressway

In all alternatives the expressway appears to have been relocated so that it is farther from the shoreline than in some of the original proposals. The location appears to allow for more public access to the Bay.

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#### Dredging

The amount of dredging that would be required should be determined and the environmental report should discuss dredging in more detail, including the frequency of maintenance dredging and the location of dredged spoils disposal.

The EIR on the General Development Plan seems to cover impacts which can be determined at the master plan stage. We may have further comments on the project when a single detailed plan is developed and circulated for comment.

Very truly yours,

CHARLES R. ROBERTS Executive Director

CRR/st

cc: L. Frank Goodson, Resources Agency

# Memorandum

: L. Frank Goodson Resources Agency

Date : August 21, 1978

File No.: SD 78-07-24

James M. Doyle Department of Parks and Recreation P.O. Box 2390 Sacramento, California 95814

From : EXECUTIVE OFFICE

1807 13th Street, Sacramento 95814

Subject:

Comments to Candlestick Point State Recreation Area-Resource Management and General Development Plan - Draft EIR SCH #78072432

The staff of the State Lands Commission has reviewed the subject document and offer the following comments:

The project area, according to the report, is comprised of (1) sold and filled Board of Tideland Commissioners' (BTLC's) lots; (2) sold and unfilled BTLC lots; (3) Pueblo lands of San Francisco; (4) lands which the State disposed of under patents; (5) lands condemned by the federal government under suit U.S.D.C. #36272; and (6) lands granted in trust to the City and County of San Francisco under Chapter 1333, statutes of 1968, minerals reserved.

At the present time, there are serious questions concerning the ownership of the BTLC lots and they may be subject to permit or leasing requirements of the State Lands Commission; title to lands similar in nature is now being litigated in the case of Murphy v. City of Berkeley, Alameda County Superior Court No. |422942. Since the question of the State's interest remains unresolved, a permit or lease will not be required at this time. This action, however, does not constitute, nor shall it be construed as, a waiver of any right, title or interest by the State of California in any lands under its jurisdiction.

Also, since titles are complex in the subject area, it is recommended that all the principals confer with the State Lands Commission prior to the adoption of final development plans and the consummation of land exchanges. In so doing, it is hoped to avoid legal problems in the future particularly with respect to the land exchanges. It is anticipated that each such issue will be handled on a case-by-case basis.

Should there be further questions, please contact Mr. Herbert Maricle at (916) 322-7822.

Lead Dukushima

TED T. FUKUSHIMA Senior Planner

TTF:sp

cc: H. Maricle



August 11, 1978

4-SF-101, 230

Comments of Caltrans, District 4, concerning the Draft Environmental Impact Report for the Candlestick Point State Recreation Area, State Clearinghouse No. 78072432.

The DEIR should describe the effect of traffic generated by the Recreation Area upon Route 101 and the proposed future Route 230, particulary during the evening peak hour and when events are held at Candlestick Park Stadium.

Thank you for the opportunity to comment on this DEIR. We would appreciate receiving a copy of the Final EIR.

VERNON J. KICHEY

Deputy District Director

Date: August 4, 1978

# Memorandum

To : Mr. Huey D. Johnson
Secretary for Resources
1416 Ninth Street
Sacramento, California 95814

Attn: L. Frank Goodson Projects Coordinator

From : Department of Fish and Game

Subject: Draft EIR, Candlestick Point State Recreation Area, Resource Management Plan, General Development Plan, San Francisco County; SCH 78072432

The Department of Fish and Game has reviewed the subject report and has the following comment.

We are in agreement with the report's Preliminary Single Plan and believe the project will benefit fish and wildlife.

E C Julianiano Director

## Part II RESPONSE TO COMMENTS

#### RESPONSE TO COMMENTS

on a Preliminary Candlestick Point State Recreation Area Resource Element, General Plan, and Environmental Impact Report

The comments received for the preliminary Candlestick Point State Recreation Area Resource Element, General Plan, and Environmental Impact Report were:

(1) found to be substantial, and the text was revised and/or a response was given; (2) the comments were were not substantial but required a minor change in the text and/or a brief response; or (3) the comments provided information or were supportive and did not require a response.

The responses below correspond to the number to the right of the comments, for conditions (1) or (2) above.

- 1. We recognize the problem involved in a wet weather overflow control facility for the Yosemite Canal (South Basin Canal area). We understand that alternatives are being studied. If a portion of the overflow control facilities were to be located on Candlestick Point State Recreation Area land, an encroachment permit will be required. A possible conflict may result with a proposed overflow control construction and the State Recreation Area's proposed nature area.
- We would be very interested in receiving information on the shellfish in the bay in your area of study. Our Department has not undertaken a shellfish study along the bay but will send you data if we should do so. The reference to the bent nose clam in the Resource Mangement Plan will be changed in the text.

- 3. We would be glad to plan and construct a water monitoring equipment station to meet the needs of both our agencies.
- 4. We would be happy to meet and discuss areas of mutual interest between our two agencies.
- 5. As indicated in item number 1, the Bureau of Sanitary Engineering,
  Department of Public Works, the City and County of San Francisco are
  interested in eliminating these problems concerning health.
- 6. We will not use reclaimed wastewater for irrigation. Both domestic and irrigation water needs will be supplied by the San Francisco Water Department.
- 7. The inactive waste disposal site is not a Class II solid waste disposal site as you mentioned, but is a Class III site. As such it does not come under Resolution 77-7 with the San Francisco Bay Regional Water Quality Control Board Resolution, minimum criteria for proper closure of Class II solid waste disposal sites. However, we do recognize a leachate problem because of past illegal dumping of undesirable material at Candlestick Point State Recreation Area. We will work closely with Water Quality Control Board to meet the closure of this dump site and to remedy leachate problems when they occur.
- 8. The Department will work closely with San Francisco Bay Conservation and Development Commission. All proposed developments will require BCDC permit approvals. Extensive fill is not contemplated, but dredging of the bay and

minimum of filling and construction within 100 feet of the shoreline will be done as authorized by a permit.

- 9. The plan indicated that the shoreline changes will be minimal. These changes will benefit the mud flat marsh and habitat of flora and fauna, accessibility to the shoreline, and the general aesthetics of the shoreline. Specific locations of facilities have not been firmly established.
- 10. The Department's Concessions Section will work closely with BCDC in location of the restaurant.
- 11. Alternatives showing a large marina development are not contemplated since this can best be done by private enterprise and in better locations elsewhere in the bay.
- 12. The expressway as it appears in the alternatives and the proposed General Development Plan are the same and are accurately shown on the plan.
- 13. The amount of dredging and fill will be balanced and held to a minimum.

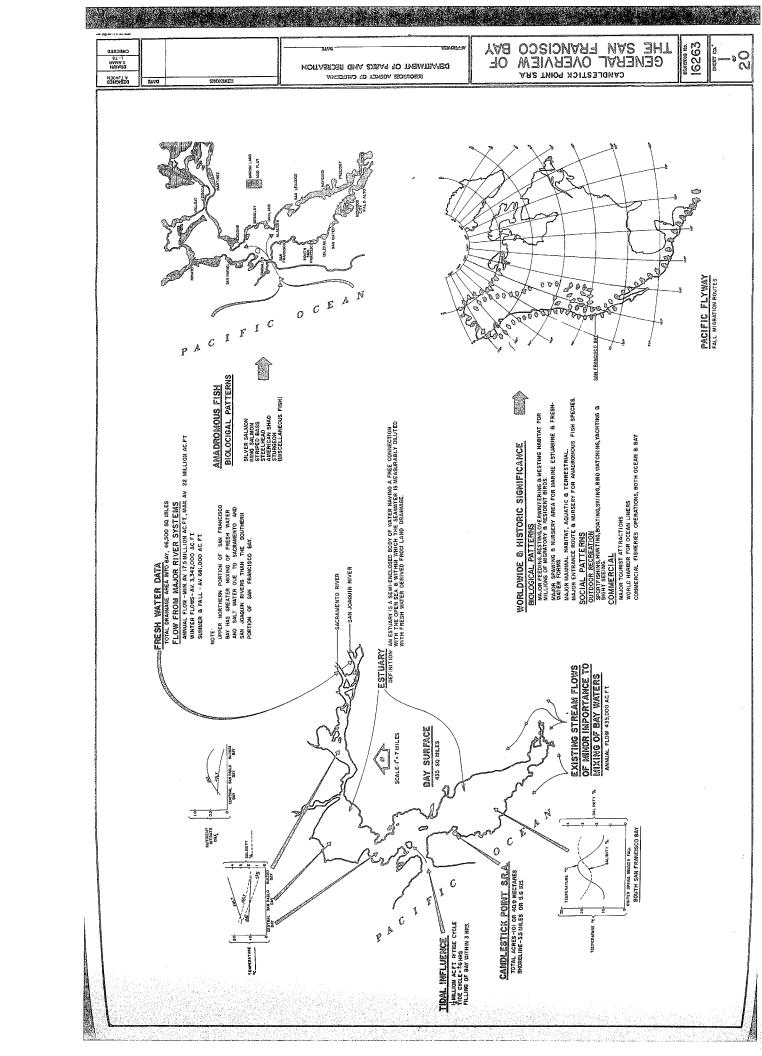
  Our dredging spoils will be used as fill on project lands as contemplated.
- 14. Whenever a specific phase of the overall plan is budgeted and proposed for implementation, a more detailed and specific environmental assessment will be prepared for that particular project as part of the budget package.
- 15. The Department is aware of these problems and agrees that litigation is required to solve complex title questions.

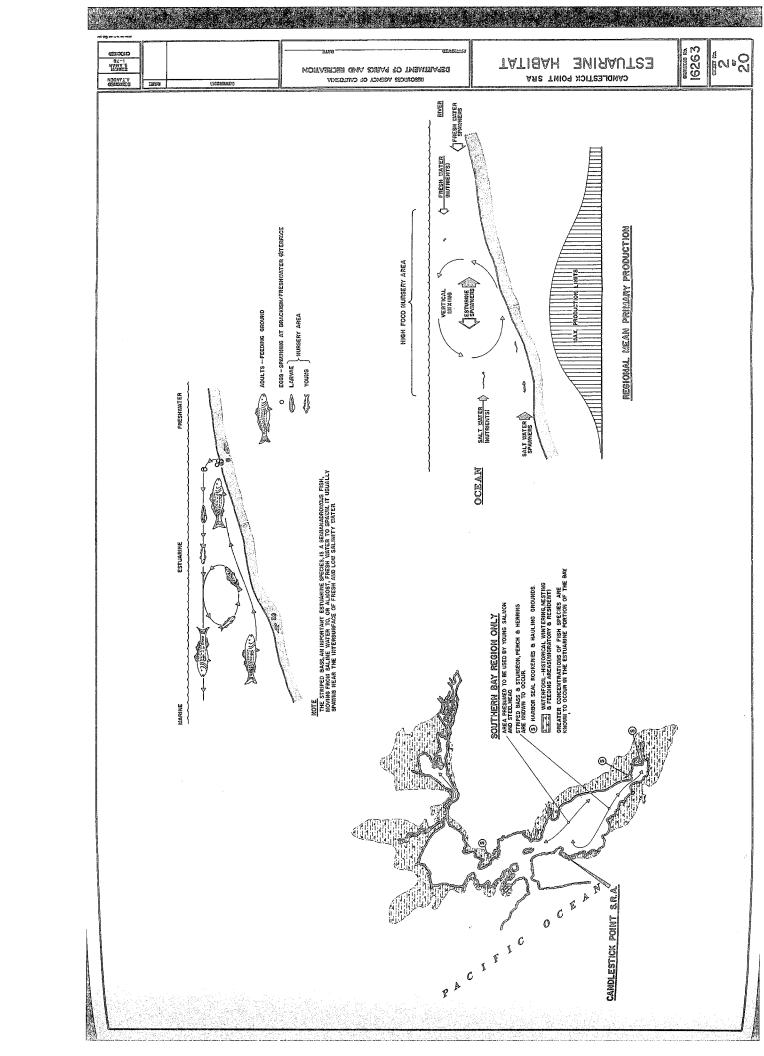
16. The proposed State Recreation Area will generate traffic and influence traffic on U.S. 101 and the proposed Route 230 and other neighborhood surface streets in this portion of San Francisco. We believe that the traffic will not add significantly to the traffic congestion because:

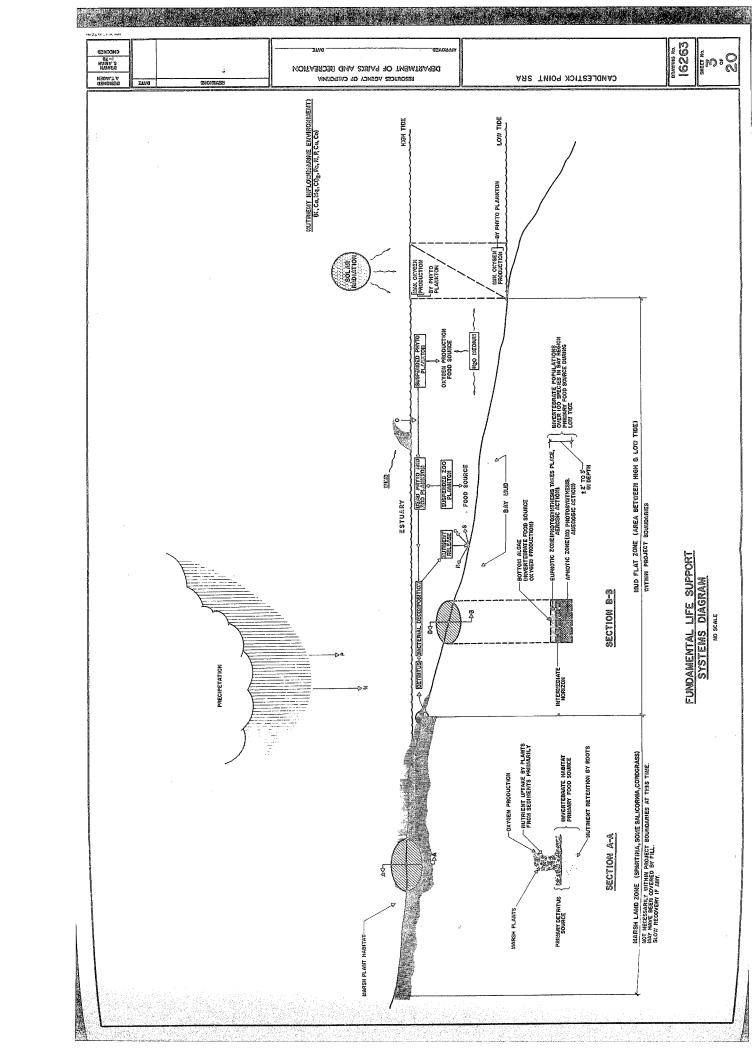
(a) the traffic will not usually be leaving or arriving at the State Recreation Area at one particular time and will not usually conflict with sporting events or with rush hour traffic; (b) most traffic to the State Recreation Area will be on weekends rather than weekdays, therefore, conflicting less with rush hour traffic; (c) as indicated on pages 59 and 60, during capacity crowd events at Candlestick Stadium, the cars visiting the stadium might actually park on State Recreation Area parking lots as they are doing so now; (d) the actual number of people visiting the State Recreation Area will be fairly insignificant to the overall traffic patterns in the area.

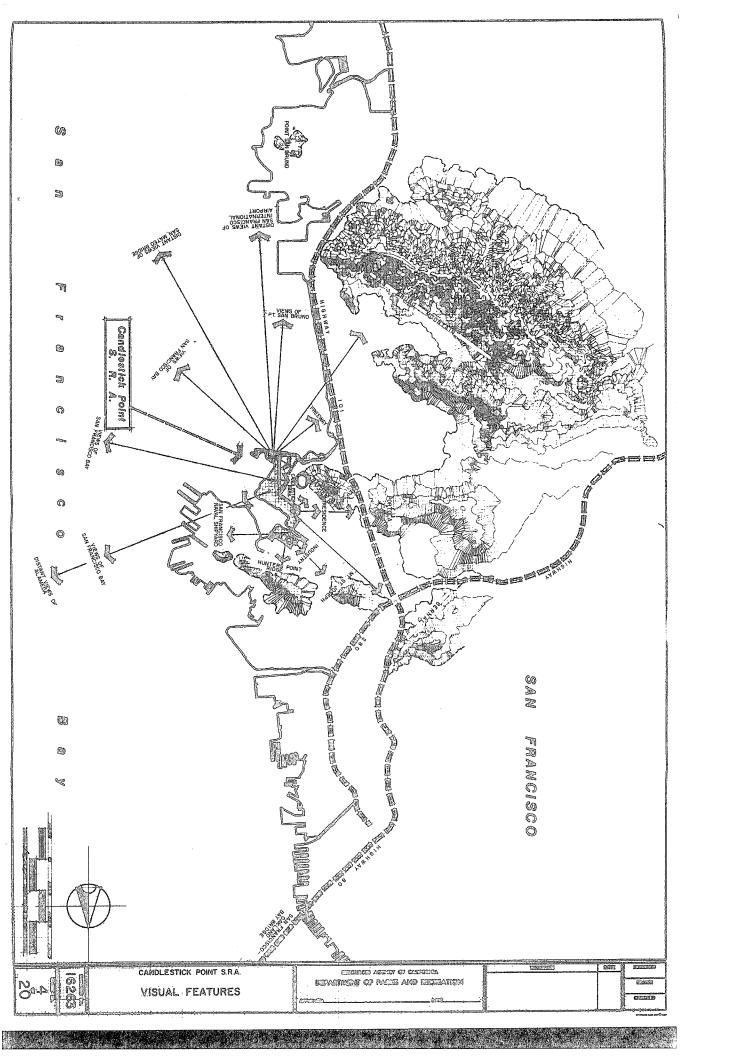
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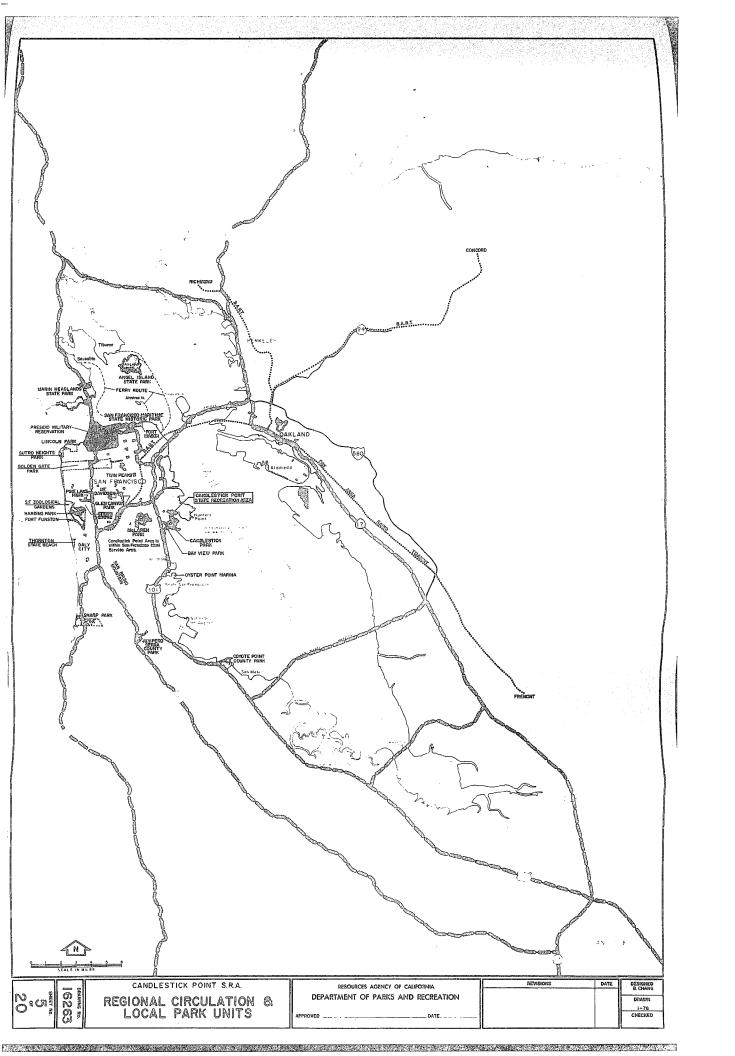
#### APPENDIX E <u>Maps</u>

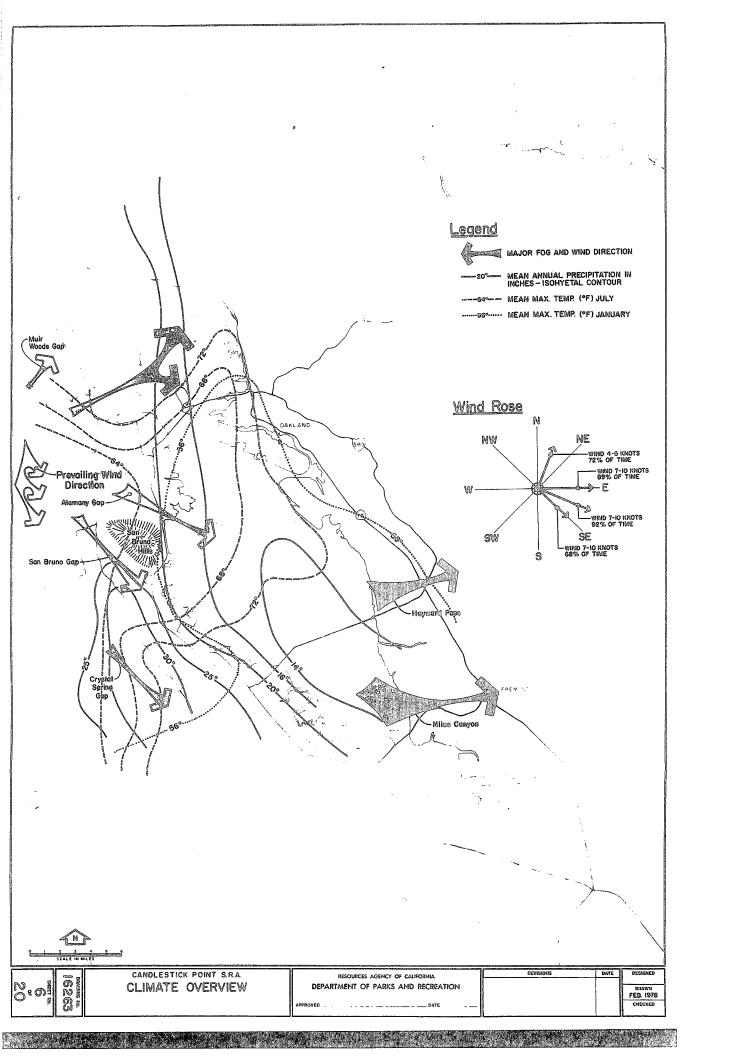


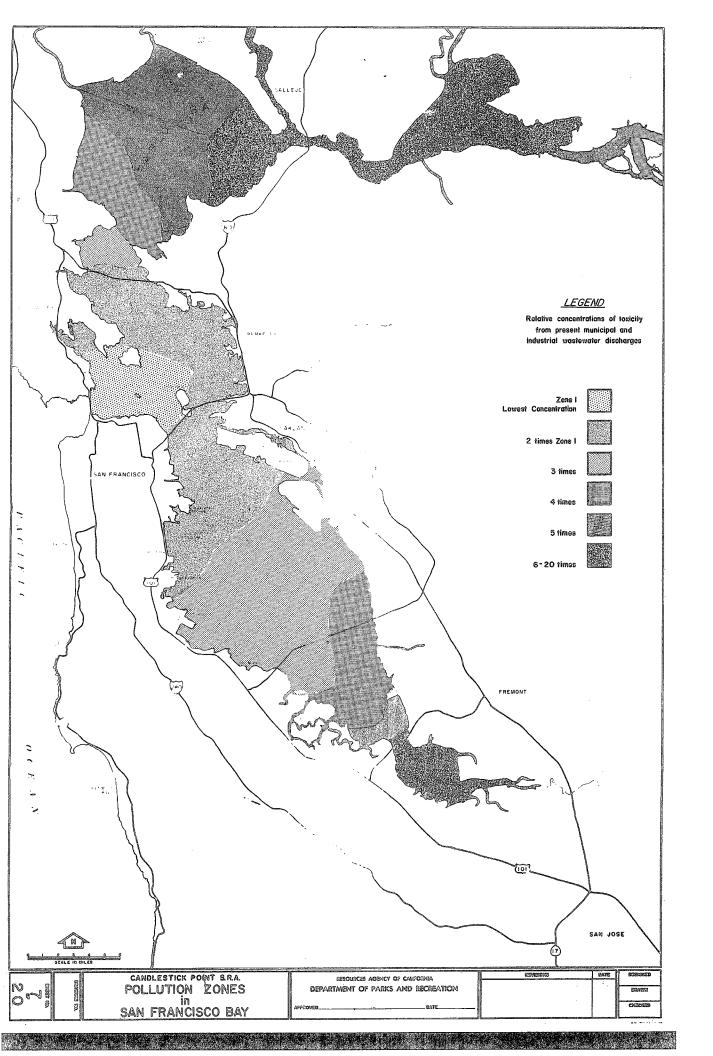


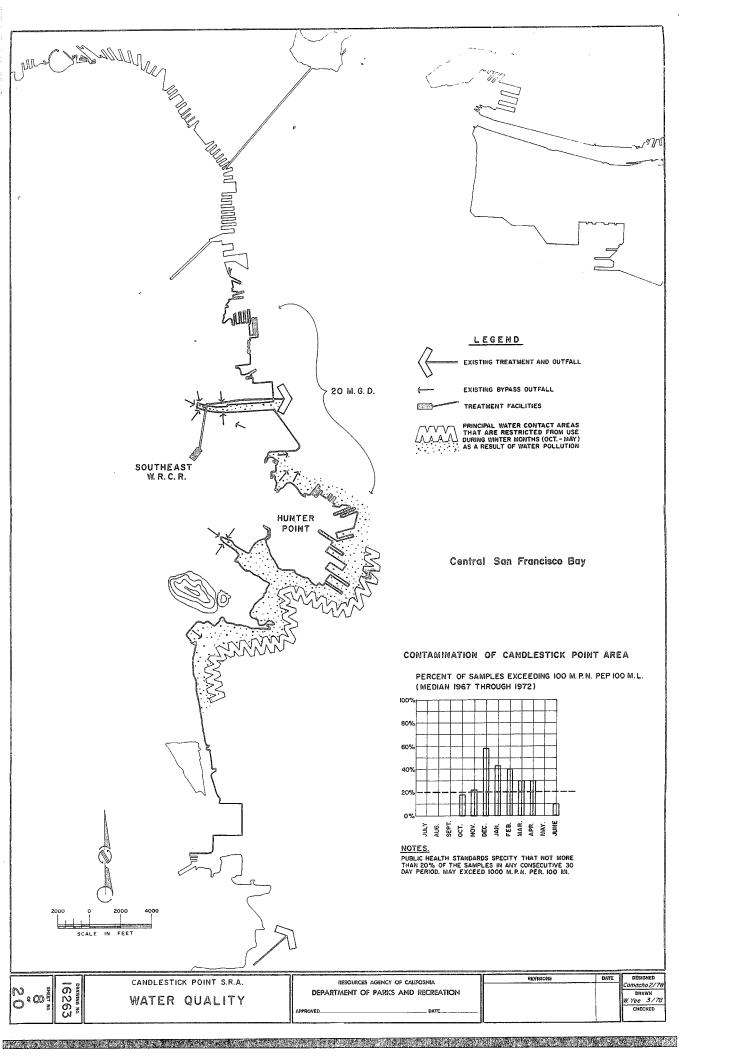


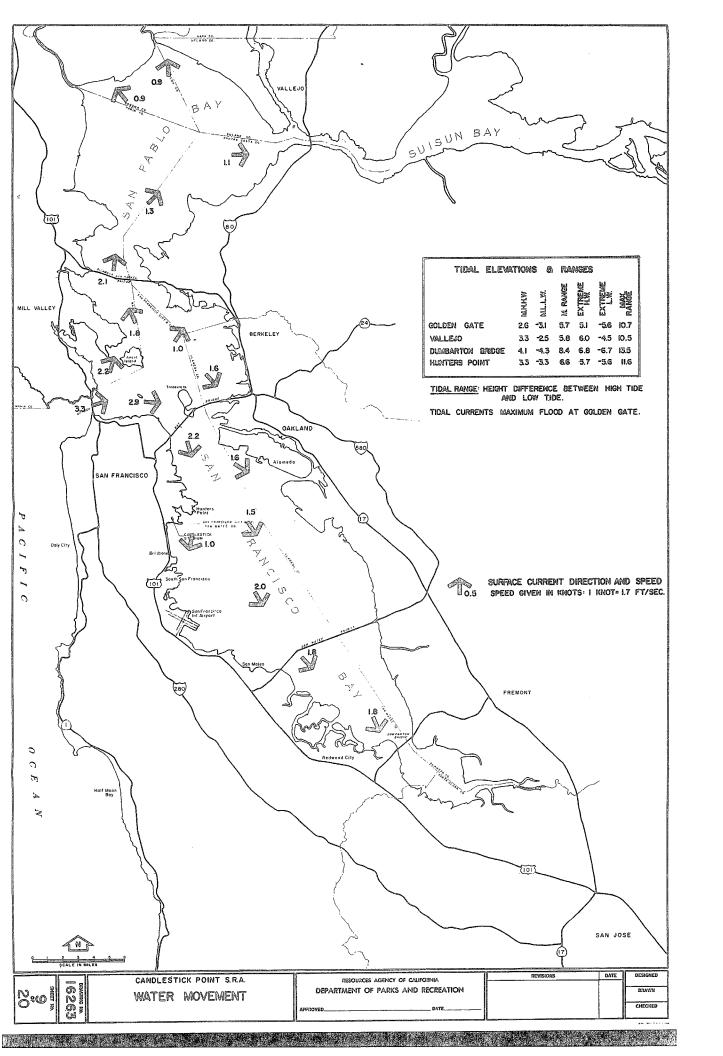


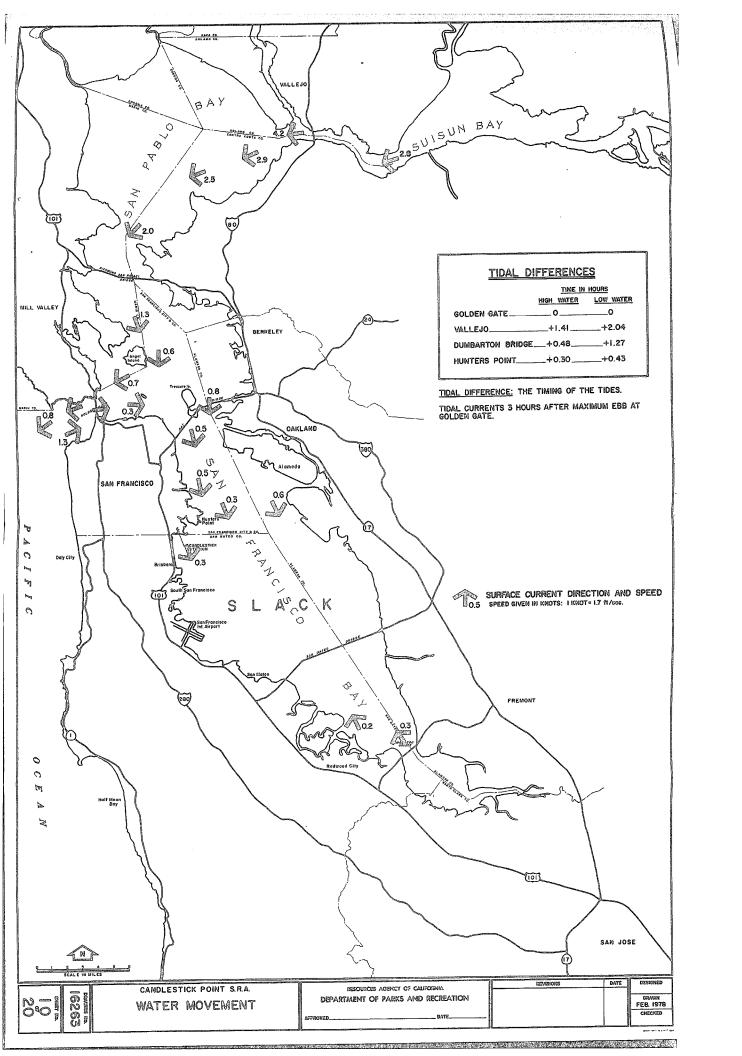


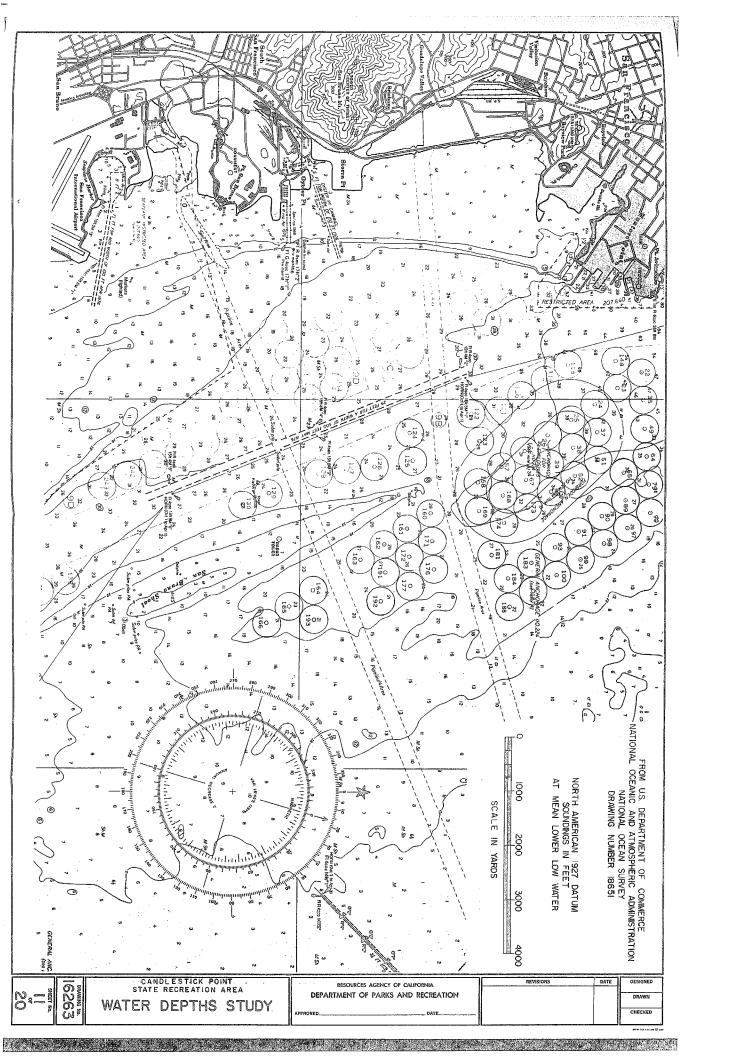


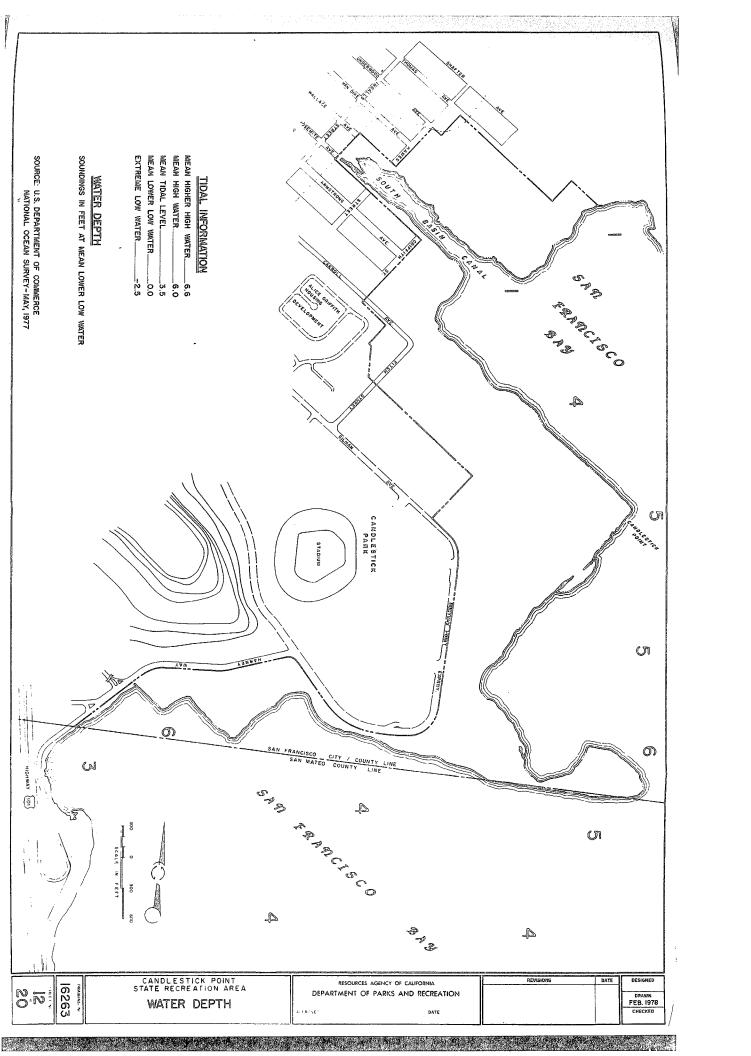












# HOW THE SAN FRANCISCO BAY REGION WAS FORMED

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PRESENT	9 WILLION	MOITHW GEI WILLIAM GEI WILLIAM GEI WALLAM	YEARS AGO
WISCONSIN GLACIATION	PLICCENE PLEISTOCENE PLEISTOCENE PLEISTOCENE	JURRASIC CRETACEOUS KMOXVILLE TERTIARY	GEOLOGIC TIME
BAY TROUGH FILLED WITH SEDIMENTS FROM GLACIER MELT WATERS FORMING PRESENT DAY "BAY MUD" AND SEA WATER LEVEL.	EROSIDN TO EAST AND WEST OF NEWLY FORMED HIGH STANDING RIDGES FORMED ROUNDED HILLS.  VARPING AND FAULTING OF SAN FRANCISCO - MARIN "TABLE" PRODUCED EXISTING BAY CONFIGURATION. THE TABLE THPPED AND THE RANSED WESTERN EDGE BECAMET THE SAN FRANCISCO - MARRIN HILLS WHILE THE DEPRESSED EASTERN EDGE PRODUCED THE BAY TROUGH.	OLDEST ROCKS KNOWN IN THE BAY AREA FORMED BEDROCK  "BASENIENT COMPLEX"  FRANCISCAN FORMATIONS DEPOSITED IN DEEP MARROW TROUGHS PROBUCED PRESENT DAY EXPOSED BEDROCK. (DEPTH ESTIMATED FROM 10,000 TO 50,000 FEET THICK.)  SEDIMENTS DEPOSITED ON BEDROCK FORMED SHALE AND SANDSTOME.  LARTH MOVEMENT IN MORTH-YUESTERLY TRENDING PATTERN FORMED COAST RANGE THROUGH FOLDS (BENDS) AND FAULTS (BREAKS).	EVENT

## GEOLOGIC SIGNIFICANCE

## I. NATURAL ENVIRONMENT

-THE GEOLOGIC FORMATION OF THE BAY REGION IN PREHISTORIC TIMES FOUNDED THE BASIC ELEMENTS FOR COMPLEX ECO-SYSTEMS.

-SINCE PREHISTORIC TIMES TO THIS DATE THE BAY AREA HAS BEEN KNOWN TO BE ONE OF THE MOST ACTIVE SEISMIC ZONES IN THE WORLD.

## 2. SOCIAL ENVIRONMENT

-THE PRIME ESTUARY CONTAINING AN OPTIMUM FOOD GATHERING SOURCE FROVIDED A BASE FOR AN URBAN SOCIAL ENVIRONMENT.

## STRUCTURAL SITE CONSIDERATIONS

### SEISMIC

## EARTHQUAKE EFFECTS

-SHAKING OF THE GROUND
-GROUND FAILURES
SLIDES
COMPACTION
LIQUEFACTION
LURCHING -INUNDATION
SEIGHES (WATER OSCILLATION)
TSUNAMIS (LARGE WAVE)

## EXISTING UNSTABLE SOIL

-SURFACE FAULTING (BREAKING OF THE GROUND)

### MAN-MADE FILL

-SUBSIDENCE AND DIFFERENTIAL SETTLEMENT DECOMPOSITION OF FILL METHOD OF FILL

SOFT BAY MUD -SUBSIDENCE AND DIFFERENTIAL SETTLEMENT WEAK SOIL PROPERTIES (PEAT LENSE)
SAND LENSES — NON-UNIFORMITY OF SOIL STRATA SURCHARGE LOADS -LANDSLIDING AND SLOPE INSTABILITY

-LANDSLIDING AND SLOPE INSTABILITY EMBANKMENTS OR MOUNDS EXCAVATIONS OR CUTS

-DOWN-DRAG ON PILE FOUNDATIONS

## 3. OTHER CONSIDERATIONS

#### MAN-MADE

~VIBRATION SOUND (FREEWAY, AIRCRAFT) BLASTING (CONSTRUTION)

-WATER
POLLUTION (EXISTING OUTFALLS, RUNOFF)
EROSION

-AIR POLLUTION

#### -VANDALISM

NATURAL

-WIND (PREVAILING WIND FROM SE 7-10 KKOTS, 8-11 MPK)
-PRECIPITATION (16"-20" AVERAGE ANNUAL RAINFALL)

-TEMPERATURE (56°-64°F AVERAGE)

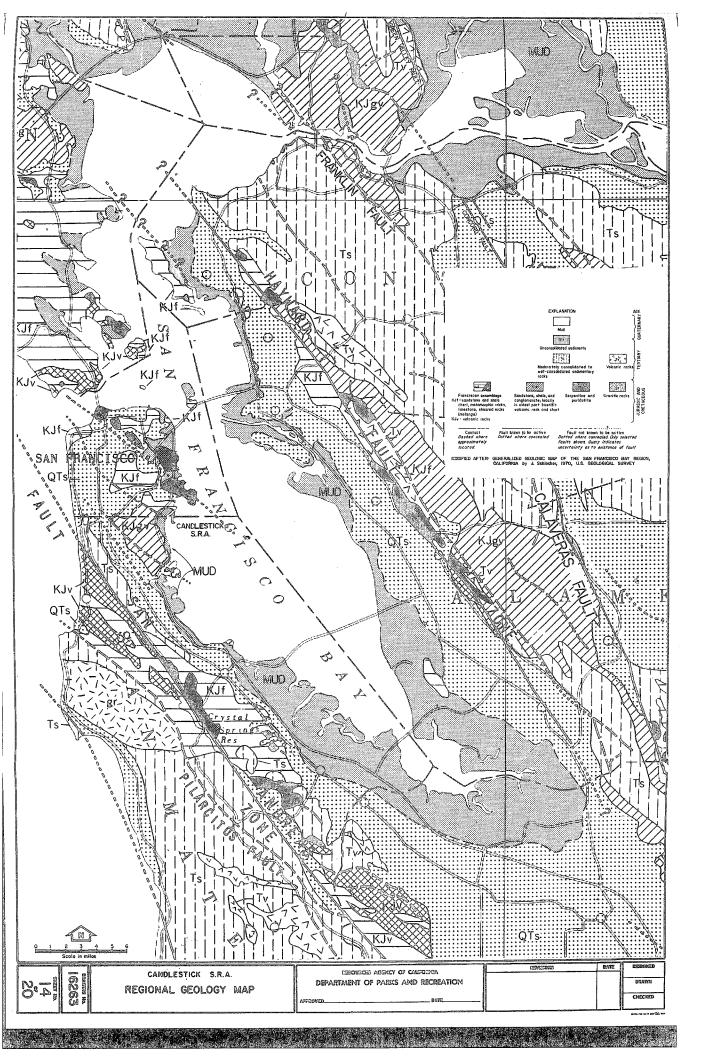
-SOLAR EXPOSURE -OXIDATION (SALT AIR, RUST)

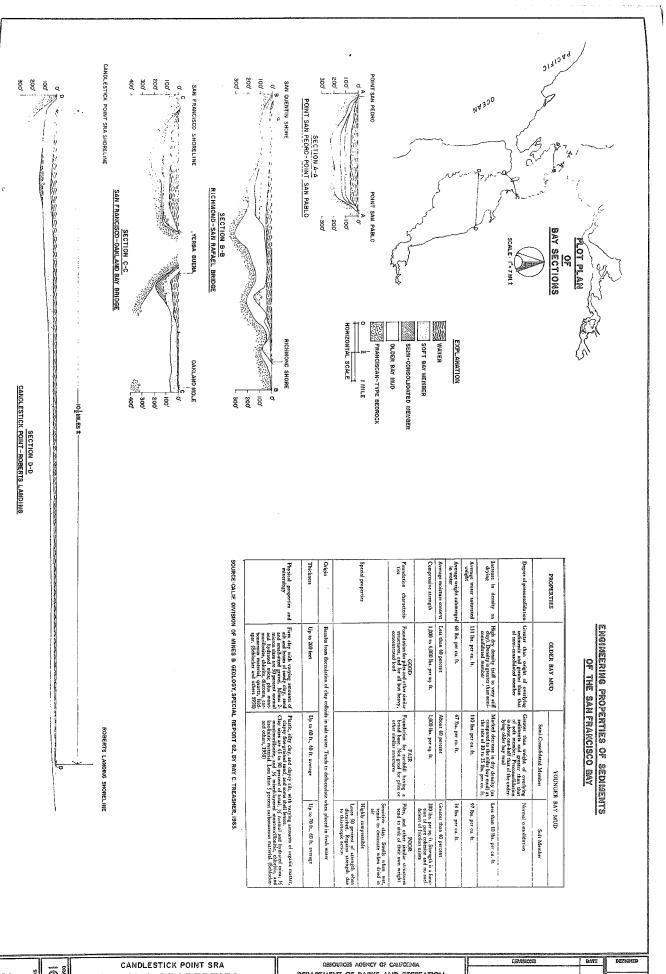
Candlestick point state recreation area GEOLOGIC TIME TABLE & STRUCTURAL CONSIDERATIONS

RESOURCES AGENCY OF CALFORNIA DEPARTMENT OF PARKS AND RECREATION eraeti Jan 1978

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CANDLESTICK POINT SRA
BAY MUD PROPERTIES
& SECTIONS

RESOURCES AGENCY OF CALFOCNIA
DEPARTMENT OF PARKS AND RECREATION

DESCRIPTION DESCRI

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